

QY	1	MDIVYSGHPILWADSFHLIAGSDILSRISIAEETTVHASFISCISSSIDOGGEQEBRG	60
Db	1	MDIVYSGHPILWADSFHLIAGSDILSRISIAEETTVHASFISCISSSIDOGGEQEBRG	60
QY	61	HEWRPRLICEDAMEQEOVYVPLPLPLLOSGSGKSNVAMGDYDSDAFMDPRYHVGEBLD	120
Db	61	HEWRPRLICEDAMEQEOVYVPLPLPLLOSGSGKSNVAMGDYDSDAFMDPRYHVGEBLD	120
QY	121	KLFRAAWMSKVPRKLIYMLPDTQVNRKDKOKRTALHLASANGNSSEVYKVLVDRRCQINV	180
Db	121	KLFRAAWMSKVPRKLIYMLPDTQVNRKDKOKRTALHLASANGNSSEVYKVLVDRRCQINV	180
QY	181	LDNKKSTALTKAVOCQOEDECALMLLEHGTPNPITPDEYGVNTLHYAVYNEDEKLMARALLLY	240
Db	181	LDNKKSTALTKAVOCQOEDECALMLLEHGTPNPITPDEYGVNTLHYAVYNEDEKLMARALLLY	240

```
QY 241 GADIESKKNHGLTPLLGIHEKQOQVFKLKKKANLALDRYGRITALILAVCCGSASIV 300
      |||||||
Db 241 GADIESKKNHGLTPLLGIHEKQOQVFKLKKKANLALDRYGRITALILAVCCGSASIV 300
QY 301 SPLLEQNVVSSODLERPESMLFLVIIM 329
      |||||||
Db 301 SPLLEQNVVSSODLERPESMLFLVIIM 329

RESULT 2
US-09-439-313-532
; Sequence 532, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqul
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 532
; LENGTH: 292
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-439-313-532

Query Match 73.1%; Score 1253; DB 4; Length 292;
Best Local Similarity 98.8%; Pred. No. 2.7e-135;
Matches 241; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 86 PLOGSGSKSNVAVGWDYDSDAFMDPRYHVHGEDLDKLRHAMGKVPKRDLYMLRDTDV 145
      | : |||||
Db 49 PCCRGSGSKSNVAVGWDYDSDAFMDPRYHVHGEDLDKLRHAMGKVPKRDLYMLRDTDV 108
QY 146 NKRDOKRTALHLASANGNSEVVKLVLDRCQLNVLDNKKRTALTAVQCOEDCALMLL 205
      |||||||
Db 109 NKRDOKRTALHLASANGNSEVVKLVLDRCQLNVLDNKKRTALTAVQCOEDCALMLL 168
Q 206 EHGTDPNIPDEYGTTLHYAVYNEDKLMARALLYGADIESKKNHGLTPLLGIHEKQOQ 265
      |||||||
Db 169 EHGTDPNIPDEYGTTLHYAVYNEDKLMARALLYGADIESKKNHGLTPLLGIHEKQOQ 228
QY 266 VKFLIKKKANLMDRYGRITALILAVCCGSASIVSPLLEQNVVSSODLERPESMLFL 325
      |||||||
Db 229 VKFLIKKKANLMDRYGRITALILAVCCGSASIVSPLLEQNVVSSODLERPESMLFL 288
QY 326 VIIM 329
      |||||
Db 289 VIIM 292

RESULT 3
US-09-439-313-379
; Sequence 379, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
```

```
; APPLICANT: Jiang Yuqul
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 379
; LENGTH: 656
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-439-313-379
```

```
Query Match 66.3%; Score 1136; DB 4; Length 656;
Best Local Similarity 93.9%; Pred. No. 2.5e-121;
Matches 216; Conservative 7; Mismatches 7; Indels 0; Gaps 0;

QY 86 PLOGSGSKSNVAVGWDYDSDAFMDPRYHVHGEDLDKLRHAMGKVPKRDLYMLRDTDV 145
      | : |||||
Db 107 PCCRGSGSKSNVAVGWDYDSDAFMDPRYHVHGEDLDKLRHAMGKVPKRDLYMLRDTDV 166
QY 146 NKRDOKRTALHLASANGNSEVVKLVLDRCQLNVLDNKKRTALTAVQCOEDCALMLL 205
      |||||||
Db 167 NKRDOKRTALHLASANGNSEVVKLVLDRCQLNVLDNKKRTALTAVQCOEDCALMLL 226
QY 206 EHGTDPNIPDEYGTTLHYAVYNEDKLMARALLYGADIESKKNHGLTPLLGIHEKQOQ 265
      |||||||
Db 227 EHGTDPNIPDEYGTTLHYAVYNEDKLMARALLYGADIESKKNHGLTPLLGIHEKQOQ 286
QY 266 VKFLIKKKANLMDRYGRITALILAVCCGSASIVSPLLEQNVVSSODLERPESMLFL 325
      |||||||
Db 287 VKFLIKKKANLMDRYGRITALILAVCCGSASIVSPLLEQNVVSSODLERPESMLFL 336
```

```
RESULT 4
US-09-439-313-380
; Sequence 380, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqul
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 380
; LENGTH: 671
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-439-313-380
```

```
Query Match 66.3%; Score 1136; DB 4; Length 671;
```

Best Local Similarity 93.9%; Pred. No. 2.6e-121;  
Matches 216; Conservative 7; Mismatches 7; Indels 0; Gaps 0;

```
QY 86 PLOGSGKSNVYAMGDYDSDAFMDPRYHGHGDLKLRHRAAMGKVPKRDLYLMDTDV 145
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 107 PCRRSGSKSVGAMGDYDSDAFMDPRYHGHGDLKLRHRAAMGKVPKRDLYLMDTDV 166
QY 146 NKRDOKRTALHLASANGSEVVKLVLDRCQNLVLDNKKRTALTKAVQCOEDCALML 205
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 167 NKRDOKRTALHLASANGSEVVKLVLDRCQNLVLDNKKRTALTKAVQCOEDCALML 226
QY 206 EHGTDNPIDEGNTTLHYAVYNEDKLMKALLYGADIESKNKGTPPLLGHEQKQ 265
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 227 EHGTDNPIDEGNTTLHYAVYNEDKLMKALLYGADIESKNKGTPPLLGHEQKQ 286
QY 266 VVKFLIKKKANLMDRYGRTALLAVCCGSASIVSPLLEQNDVSSODL 315
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 287 VVKFLIKKKANLMDRYGRTALLAVCCGSASIVSPLLEQNDVSSODL 336

RESULT 5
US-09-439-313-378
; Sequence 378, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqul
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 378
; LENGTH: 1719
; TYPE: PRT
; ORGANISM: Homo sapien
US-439-313-378
```

Query Match 66.3%; Score 1136; DB 4; Length 1719;  
Best Local Similarity 93.9%; Pred. No. 1.2e-120;  
Matches 216; Conservative 7; Mismatches 7; Indels 0; Gaps 0;

```
QY 86 PLOGSGKSNVYAMGDYDSDAFMDPRYHGHGDLKLRHRAAMGKVPKRDLYLMDTDV 145
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 107 PCRRSGSKSVGAMGDYDSDAFMDPRYHGHGDLKLRHRAAMGKVPKRDLYLMDTDV 166
QY 146 NKRDOKRTALHLASANGSEVVKLVLDRCQNLVLDNKKRTALTKAVQCOEDCALML 205
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 167 NKRDOKRTALHLASANGSEVVKLVLDRCQNLVLDNKKRTALTKAVQCOEDCALML 226
QY 206 EHGTDNPIDEGNTTLHYAVYNEDKLMKALLYGADIESKNKGTPPLLGHEQKQ 265
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 227 EHGTDNPIDEGNTTLHYAVYNEDKLMKALLYGADIESKNKGTPPLLGHEQKQ 286
QY 266 VVKFLIKKKANLMDRYGRTALLAVCCGSASIVSPLLEQNDVSSODL 315
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 287 VVKFLIKKKANLMDRYGRTALLAVCCGSASIVSPLLEQNDVSSODL 336
```

RESULT 6  
US-09-439-313-377

```
; Sequence 377, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqul
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 377
; LENGTH: 148
; TYPE: PRT
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(148)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-09-439-313-377
```

Query Match 36.4%; Score 624; DB 4; Length 148;  
Best Local Similarity 96.7%; Pred. No. 1.2e-63;  
Matches 119; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
QY 127 WMGKVPKRDLYLMDTDVNRDOKRTALHLASANGSEVVKLVLDRCQNLVLDNKKR 186
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 25 WMGKVPKRDLYLMDTDVNRDOKRTALHLASANGSEVVKLVLDRCQNLVLDNKKR 84
QY 187 TALTKAVQCOEDCALMLEHGTDNPIDEGNTTLHYAVYNEDKLMKALLYGADIES 246
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 85 TALTKAVQCOEDCALMLEHGTDNPIDEGNTTLHYAVYNEDKLMKALLYGADIES 144
QY 247 KKK 249
|:|:|:|
Db 145 KKK 147
```

RESULT 7  
US-09-031-485-33  
; Sequence 33, Application US/09031485  
; Patent No. 5824306  
; GENERAL INFORMATION:  
; APPLICANT: Tang, Liang  
; APPLICANT: Blehm, E. Scott  
; TITLE OF INVENTION: DIROFILARIA AND BRUGIA ANKYRIN  
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES, AND  
; NUMBER OF INVENTION: USES THEREOF  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Carol Talkington Verter, Ph.D.  
; ADDRESSEE: Heska Corporation  
; STREET: 1825 Sharp Point Drive  
; CITY: Fort Collins  
; STATE: Colorado  
; COUNTRY: USA  
; ZIP: 80525  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: Windows 95  
; SOFTWARE: WordPerfect for Windows, Version 7.0

```

;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/031,485
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/847,429
; FILING DATE: 24-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Verser, Carol Talkington
; REGISTRATION NUMBER: 37,459
; REFERENCE/DOCKET NUMBER: HW-5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 970/493-7272
; TELEFAX: 970/484-9505
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1745 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-031-485-33

```

```

Query Match 12.5%; Score 214.5; DB 2; Length 1745;
Best Local Similarity 25.1%; Pred. No. 5,8e-15;
Matches 88; Conservative 57; Mismatches 141; Indels 65; Gaps 11;

```

```

QY 17 LHLAGS-DLSRSLMAEETIVVASFSCSSSLDGGERGHEFMRPQRLCEDAME 75
DB 334 LHMAAQVDVTVDTLPLVHAHAGCHVRVAKLLDRNADPNARALNGFTPLHACKNR 393
QY 76 QEVQVYLP-----LPLPLOGS--GKSNVAVM-----GDYDSAFMDPRYHVHGE 117
DB 394 KIVELLKYHAALBATETESGLSPHVAAFMGALINIVYILLOQGANADVA-----TYRGE 447
QY 118 DLDKLHRAAMWGKVPKRLDI-VMLRD-TDVNKKDKOKRTALHLASANGSEVVKLVLDNR 175
DB 448 --TPHLAA---RANQTDIVAVLVNRNGAQVDAARLQTPPLHIASRLGNDIVILLQAN 502
QY 176 COLNVLDNKKRTALTKAVOCQDEECALMLEHGTDPNIPDEYGNITLHVAVYNEDKIMAK 235
DB 503 ASPNATRDIVTLPPLHIAKEGQEEVAAILMDHGDITLTKKGTPLHIAKGNLPVAK 562
QY 236 ALLLYG--ADIESKN-----KHGLTPLLGIHQ 262
DB 563 SLLEGRTPVDIEGKNQVTPPLVHAHYNNDKVALLLENGASAHAAKNGYTPPLHIAKKN 622
QY 263 KQOVVFKLIKKNALNLDKRGRTALLAVCCGSASIVSPLEQNDVSSQ 313
DB 623 QMDIASITLHYKANANAKSKAGFTPLHLAAQEGHREMAALLIENGAKVGAQ 673

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RESULT 8
US-08-847-429A-33
; Sequence 33, Application US/08847429A
; Patent No. 5827692

```

```

; GENERAL INFORMATION:

```

```

; APPLICANT: Tang, Liang
; APPLICANT: Blehm, E. Scot
; TITLE OF INVENTION: DIFOTILARIA AND BRUGIA ANKYRIN
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES, AND
; TITLE OF INVENTION: USES THEREOF
; NUMBER OF SEQUENCES: 85
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carol Talkington Verser, Ph.D.
; STREET: 1825 Sharp Point Drive
; CITY: Fort Collins
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80525
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

```

```

;
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: Wordperfect for Windows, Version 7.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/847,429A
; FILING DATE: 24-APR-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Verser, Carol Talkington
; REGISTRATION NUMBER: 37,459
; REFERENCE/DOCKET NUMBER: HW-5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 970/493-7272
; TELEFAX: 970/484-9505
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1745 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-847-429A-33

```

```

Query Match 12.5%; Score 214.5; DB 2; Length 1745;
Best Local Similarity 25.1%; Pred. No. 5,8e-15;
Matches 88; Conservative 57; Mismatches 141; Indels 65; Gaps 11;

```

```

QY 17 LHLAGS-DLSRSLMAEETIVVASFSCSSSLDGGERGHEFMRPQRLCEDAME 75
DB 334 LHMAAQVDVTVDTLPLVHAHAGCHVRVAKLLDRNADPNARALNGFTPLHACKNR 393
QY 76 QEVQVYLP-----LPLPLOGS--GKSNVAVM-----GDYDSAFMDPRYHVHGE 117
DB 394 KIVELLKYHAALBATETESGLSPHVAAFMGALINIVYILLOQGANADVA-----TYRGE 447
QY 118 DLDKLHRAAMWGKVPKRLDI-VMLRD-TDVNKKDKOKRTALHLASANGSEVVKLVLDNR 175
DB 448 --TPHLAA---RANQTDIVAVLVNRNGAQVDAARLQTPPLHIASRLGNDIVILLQAN 502
QY 176 COLNVLDNKKRTALTKAVOCQDEECALMLEHGTDPNIPDEYGNITLHVAVYNEDKIMAK 235
DB 503 ASPNATRDIVTLPPLHIAKEGQEEVAAILMDHGDITLTKKGTPLHIAKGNLPVAK 562
QY 236 ALLLYG--ADIESKN-----KHGLTPLLGIHQ 262
DB 563 SLLEGRTPVDIEGKNQVTPPLVHAHYNNDKVALLLENGASAHAAKNGYTPPLHIAKKN 622
QY 263 KQOVVFKLIKKNALNLDKRGRTALLAVCCGSASIVSPLEQNDVSSQ 313
DB 623 QMDIASITLHYKANANAKSKAGFTPLHLAAQEGHREMAALLIENGAKVGAQ 673

```

```

RESULT 9
US-09-065-474-33
; Sequence 33, Application US/09065474
; Patent No. 6063599

```

```

; GENERAL INFORMATION:

```

```

; APPLICANT: Tang, Liang
; APPLICANT: Blehm, E. Scot
; TITLE OF INVENTION: DIFOTILARIA AND BRUGIA ANKYRIN
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES, AND
; TITLE OF INVENTION: USES THEREOF
; NUMBER OF SEQUENCES: 171
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carol Talkington Verser, Ph.D.
; STREET: 1825 Sharp Point Drive
; CITY: Fort Collins
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80525
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

```

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: Windows 95  
SOFTWARE: Wordperfect for Windows, Version 7.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,474  
FILING DATE: 24-APR-1998  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Verser, Carol Talkington  
REGISTRATION NUMBER: 37,459  
REFERENCE/DOCKET NUMBER: HW-5-C1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 970/493-7272  
TELEFAX: 970/484-9505  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1745 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-065-474-33

Query Match 12.5%; Score 214.5; DB 3; Length 1745;  
Best Local Similarity 25.1%; Pred. No. 5.8e-15;  
Matches 88; Conservative 57; Mismatches 14; Indels 65; Gaps 11;

QY 17 LHLAQS-DLRSRLMAEETTVHASFISCISSSLDQGEORQGRGFWPQRLCEDAME 75  
DB 334 LHMAQVDVDTVDYLPPLHVAHGHVRAKLLDRNDPNRAKALNGTTPHLIAKKRRI 393  
QY 76 QGVQVLP-----LPLIAGS--GKSNVAV---GDYDSAFMDPRYHVG 117  
DB 394 KVEELKTHAIEATTSGLSPILHVAFMGINIVILLOGANADVA-----TVNGE 447  
QY 118 DLDKLRAMGKVPKRLI-VLRD-EDVNRDOKRRTALHLSANGNSEVYKLVDR 175  
DB 448 --TPIHLAA--RANGDTIVRLVANGAOVAAAELOTPHLISRLGNTIVILLQAN 502  
QY 176 COLNLDNKKRRLTKAVQCOEDCALMLEHGTDPNIPDEYGTTLHAYVYNEDKIMAK 235  
DB 503 ASPNATRDYTPPLHIAKEGGEVAAIIMDHGTDKTLTKKGFPHLAKYGNLPYAK 562  
QY 236 ALLYG--ADIESKN-----KHLTPLLLGJHEQ 262  
DB 563 SLLEGTVDIEGKNQVTPPLHVAHYNDKVALLLLENGASAHAAKNGYTPPLHIAKKN 622  
QY 263 KOQVVKFLIKKRNALNLDRYGRTALILAVCCGSASIVSPLEQNVDSQ 313  
DB 623 QMDIATSLHKKANNAESKAGTFPPLHIAQEGHREMAALLIENGATVGAQ 673

RESULT 10  
US-08-810-712-10  
Sequence 10, Application US/08810712G  
Patent No. 6160106  
GENERAL INFORMATION:  
APPLICANT: Veda Research and Development Co. LTD  
TITLE OF INVENTION: Tumor Suppressor Genes, Proteins Encoded Thereby and  
FILE REFERENCE: sequence list  
CURRENT APPLICATION NUMBER: US/08/810,712G  
EARLIER FILING DATE: 1997-03-03  
EARLIER APPLICATION NUMBER: PCR/US94/11598  
NUMBER OF SEQ ID NOS: 31  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 10  
LENGTH: 1423  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-08-810-712-10

Query Match 12.2%; Score 209; DB 4; Length 1423;  
Best Local Similarity 28.5%; Pred. No. 1.8e-14;  
Matches 71; Conservative 39; Mismatches 117; Indels 22; Gaps 7;

QY 88 LOGSGKSNVAV-----GDYDSAM-DPRYHGEIDD---KLRAMGKVPKRLIYM 139  
DB 399 VQDKGGSNAVYMAARHGVDTLKFLSENKCPLDKDGSGEMALHVAARYGHADVAQTCA 458  
QY 140 LRDIDVNRDOKRRTALHLSANGNSEVYKLVDRPOLVNLDRKRT-ALTKAVQCOED 198  
DB 459 ASAQIPISRTKEETPLHCAAMHGYVAKALCGAGCNVAKNREGTTPHLIASAGYHD 518  
QY 199 --ECAMLEHGTDPNIPDEYGTTLHAYVYNEDKIMAKALLLYGADIESKRNHGLTPLL 256  
DB 519 IVEC--LAHGDALNACDDKGIHALHLAVRCOMEVIKTLISQGGCFVDYDRHGNPLH 575  
QY 257 LGIHEOKQOYVKFLIKKRNALNLDRYGRTALILAVCCGSASIVSPLEQNVDSQ----- 310  
DB 576 VACKDGNMPTIVVLCANCDNISNKGRTPLHLANNGLIDVRYLCMGASVEALTTD 635  
QY 311 --SSQDLER 317  
DB 636 GKTAEDLAR 644

RESULT 11  
US-09-065-474-139  
Sequence 139, Application US/09065474  
Patent No. 6063599

GENERAL INFORMATION:  
APPLICANT: Tang, Liang  
TITLE OF INVENTION: DIFOFILARIA AND BRUGIA ANKYRIN  
TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES, AND  
NUMBER OF SEQUENCES: 171  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Carol Talkington Verser, Ph.D.  
STREET: 1825 Sharp Point Drive  
CITY: Fort Collins  
STATE: Colorado  
COUNTRY: USA  
ZIP: 80525  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: Windows 95  
SOFTWARE: Wordperfect for Windows, Version 7.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/065,474  
FILING DATE: 24-APR-1998  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Verser, Carol Talkington  
REGISTRATION NUMBER: 37,459  
REFERENCE/DOCKET NUMBER: HW-5-C1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 970/493-7272  
TELEFAX: 970/484-9505  
INFORMATION FOR SEQ ID NO: 139:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 352 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: Protein  
US-09-065-474-139

Query Match 12.1%; Score 208; DB 3; Length 352;  
Best Local Similarity 28.9%; Pred. No. 2.5e-15;  
Matches 68; Conservative 38; Mismatches 89; Indels 40; Gaps 6;



Search completed: August 2, 2002, 08:44:06  
Job time: 276 sec

Fri Aug 2 09:28:57 2002

us-09-534-825a-299.rai

Page 8

45. 193.3 11.3 254.3

## ALIGNMENTS

RESULT 1  
US-09-439-313-376  
; Sequence 376, Application US/09439313  
; Patent No. 6329505  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan Louise  
; APPLICANT: Jiang Yuqui  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Kalos, Michael  
; APPLICANT: Fanger, Gary  
; APPLICANT: Retter, Mark  
; APPLICANT: Solk, John  
; APPLICANT: Day, Craig  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 210121.427C9  
; CURRENT APPLICATION NUMBER: US/09/439,313  
; CURRENT FILING DATE: 1999-11-12  
; NUMBER OF SEQ ID NOS: 575  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 376  
; LENGTH: 329  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-09-439-313-376

Query Match 100.0%; Score 1713; DB 4; Length 329;  
Best Local Similarity 100.0%; Pred. No. 5.7e-188;  
Matches 329; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDIVVSGSHPLWVDSFLHLAGSDLLSRSLMAEYITIVHASFISCISSSLDGQGERQEQRG 60  
Db 1 MDIVVSGSHPLWVDSFLHLAGSDLLSRSLMAEYITIVHASFISCISSSLDGQGERQEQRG 60  
Qy 61 HFWRPQRLLEDCEAWQEVQVVLPLLPLQSGKSNVWAGDYDDSAFMDPRYHVHGEDLD 120  
Db 61 HFWRPQRLLEDCEAWQEVQVVLPLLPLQSGKSNVWAGDYDDSAFMDPRYHVHGEDLD 120  
Qy 121 KLHRAAWGKVPKDLIVMLRDTDVNKRDKQKRTALHLASANGNSEVVKLVLDRRCOLNV 180  
Db 121 KLHRAAWGKVPKDLIVMLRDTDVNKRDKQKRTALHLASANGNSEVVKLVLDRRCOLNV 180  
Qy 181 LDNKKRTALTAKVQCQDECALMLEHGTDPNIPDEYGNNTLHYAVYNEDKLMKALLLY 240  
Db 181 LDNKKRTALTAKVQCQDECALMLEHGTDPNIPDEYGNNTLHYAVYNEDKLMKALLLY 240

Qy 241 GADIESKNKHGLTPLLGIHEQKQVVKFLIKKKANLNALDRYGR TALILAVCCGSASIV 300  
Db 241 GADIESKNKHGLTPLLGIHEQKQVVKFLIKKKANLNALDRYGR TALILAVCCGSASIV 300  
Qy 301 SPLEQNVDVSSQDLERRPESMLFLVIIM 329  
Db 301 SPLEQNVDVSSQDLERRPESMLFLVIIM 329

RESULT 2  
US-09-534-825a-299.ra1

